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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. MTS-3463US

First Inventor Shigeru MORIMOTO et al.

Title A PRINTED CIRCUIT BOARD, A BUILDUP SUBSTRATE, A METH D F MANUFACTURING PRINTED CIRCUIT BOARD, AND AN ELECTRONIC DEVICE

Express Mail Label No. EV 351 885 295 US

03915 US PTO
10767569**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 41]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table,
 or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. Drawing(s) (35 U.S.C.113) [Total Sheets 16]

5. Oath or Declaration [Total Pages 3]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
 (for a continuation/divisional with Box 18 completed)
 i. DELETION OF INVENTOR(S)
 Signed statement attached deleting inventor(s)
 named in the prior application, see 37 CFR
 1.63(d)(2) and 1.33(b).
 c. Unexecuted Declaration

6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 a. Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
 i. CD-ROM or CD-R (2 copies); or
 ii. paper
 c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
 10. 37 C.F.R. §3.73(b) Statement Power of Attorney (when there is an assignee)
 11. English Translation Document (if applicable)
 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
 13. Preliminary Amendment
 14. Return Receipt Postcard (MPEP 503)
 (Should be specifically itemized)
 15. Certified Copy of Priority Document(s)
 (if foreign priority is claimed)
 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
 17. Other: **CERTIFICATE OF EXPRESS MAIL**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application Information Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label 23122	(Insert Customer No. or Attach bar code label here)	or <input checked="" type="checkbox"/> Correspondence address below
Name Allan Ratner <hr/> Address SUITE 301, ONE WESTLAKES, BERWYN P.O. BOX 980		
City VALLEY FORGE	State PA	Zip Code 19482-0980
Country USA	Telephone (610) 407-0700	Fax (610) 407-0701

Name (Print/Type)	Allan Ratner	Registration No. (Attorney/Agent) 19,717
Signature 		Date September 30, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Alexandria, VA 22313-1450.

 15757 U.S.PTO
 10/676569

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,114.00)

Complete if Known	
Application Number	To Be Assigned
Filing Date	September 30, 2003
First Named Inventor	Shigeru Morimoto et al.
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	NTS-3463US

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Other None
 Order
 Deposit Account:Deposit
Account
Number

18-0350

Deposit
Account
Name

RatnerPrestia

The Commissioner is authorized to: (check all that apply)

-
- Charge fee(s) indicated below
-
-
- Credit any overpayments
-
-
- Charge any additional fee(s) during the pendency of this application
-
-
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	\$ 750.
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		\$ (1,114.00)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	20	-20**	= 0	X 18. = 0
Independent Claims	4	-3**	= 1	X 84. = 84.
Multiple Dependent			X 280.	= 280.

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	" Reissue independent claims over original patent	
1205	18	2205	9	" Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		\$ (1,114.00)			

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	820*	1804	820*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	410	2252	205
1253	930	2253	465
1254	1,450	2254	725
1255	1,970	2255	985
1401	320	2401	160
1402	320	2402	160
1403	280	2403	140
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,300	2453	650
1501	1,300	2501	650
1502	470	2502	235
1503	630	2503	315
1460	130	1460	130
1807	50	1807	50
1808	180	1808	180
8021	40	8021	40
1809	750	2809	375
1810	750	2810	375
1801	750	2801	375
1802	900	1802	900

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

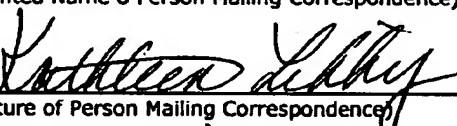
Complete if applicable

SUBMITTED BY	Complete if applicable		
Name (Print/Type)	Allan Ratner	Registration No. Attorney/Agent)	19,717
Signature		Date	September 30, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the United States Patent and Trademark Office to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)				Docket N .
Applicants: Shigeru Morimoto et al.				MTS-3463US
Serial N . TO BE ASSIGNED	Filing Date September 30, 2003	Examiner TO BE ASSIGNED	Gr up Art Unit TO BE ASSIGNED	
Invention: A PRINTED CIRCUIT BOARD, A BUILDUP SUBSTRATE, A METHOD OF MANUFACTURING PRINTED CIRCUIT BOARD, AND AN ELECTRONIC DEVICE (AS AMENDED)				
<p>I hereby certify that this UTILITY TRANSMITTAL FORM WITH INDICATED ENCLOSURES is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313 on: <u>September 30, 2003</u>.</p> <p style="text-align: center;">KATHLEEN LIBBY (Typed Or Printed Name o Person Mailing Correspondence)</p> <hr/>  <p style="text-align: center;">(Signature of Person Mailing Correspondence)</p> <hr/> <p style="text-align: center;">EV 351 885 295 US ("Express Mail" Mailing Label Number)</p>				
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